**Index of Claims** 

| Application/ | Control No. |
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09/987,168 Examiner

Reexamination MAKINENI ET AL.

Applicant(s)/Patent under

Art Unit

David Y. Jung

2134

Rejected **Allowed** 

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| - 1 | A | Appeal   |
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| Cla             | im                                      | Date   |          |          |          |              |          |               |                |          |  |
| Oi              |   | -  | ī-       |          |          |              | ĭ -      | $\overline{}$ | Г              | Н        |  |
| =               | Original                                | 5  | 1        |          |          |              | İ        | l             |                |          |  |
| Final           | رقِز                                    | 119  | 1        |          |          |              | l        |               |                |          |  |
| "               | ō                                       | 19   | 5        |          |          |              |          |               |                |          |  |
| _               | 1                                       |  | H        | ┢        | ┢╌       | -            | ╁╌       | ╫┈            | <del>  -</del> | Н        |  |
| <b>—</b>        | 2                                       | Ť  | Н        | $\vdash$ | ╁╴       | ┢            | _        | H             | $\vdash$       | Н        |  |
|                 | 1<br>2<br>3<br>4<br>5                   | Ħ  | <u> </u> | T        | T        | T            | T        | $\vdash$      |                | М        |  |
|                 | 4                                       | Ħ  |          |          | <u> </u> | _            |          |               | Т              | П        |  |
|                 | 5                                       | T  |          |          |          |              | Г        | Г             |                | П        |  |
|                 | 6                                       | $\sqcap$   |          |          |          |              | П        |               |                | П        |  |
|                 | 7                                       | П  |          |          |          |              |          |               |                |          |  |
|                 | 8 ·<br>9                                | П  |          |          |          |              |          |               |                |          |  |
|                 | 9                                       | П  |          |          |          |              |          |               |                | Ш        |  |
|                 | 10                                      | Ц  |          |          |          | _            | _        | L_            | ᆫ              | Ц        |  |
| <u> </u>        | 11                                      | Ц  | <u> </u> | L        | $\vdash$ | $\vdash$     | <u> </u> | <u> </u>      | <u> </u>       | Ш        |  |
| <u> </u>        | 12                                      | H  |          | <u> </u> | <u> </u> | ⊢            | <u> </u> | $\vdash$      | <del> </del>   | Н        |  |
| $\vdash$        | 13                                      | 1  |          |          | <u> </u> | ⊢            | ├—       | ├-            | <u> </u>       | Н        |  |
| <u> </u>        | 13<br>14<br>15<br>16<br>17<br>18        | H  | $\vdash$ | <u> </u> |          | <u> </u>     | H        | -             | ├—             | Н        |  |
| <u> </u>        | 10                                      | <del>                                     </del> | $\vdash$ | <u> </u> | ├-       | $\vdash$     | $\vdash$ | -             | $\vdash$       | Н        |  |
| $\vdash$        | 17                                      | 7  | -        | _        | ŀ        | -            | -        |               |                | Н        |  |
| $\vdash$        | 18                                      | -  | -        | _        | ┢        |              | -        | $\vdash$      | ⊢              | Н        |  |
| $\vdash$        | 19                                      | U  |          |          | -        | <del> </del> |          |               |                |          |  |
| -               | 19<br>20                                | 1  |          | $\neg$   | -        | -            |          |               |                | $\vdash$ |  |
|                 | 21                                      | H  |          |          |          | H            | Н        |               |                | Н        |  |
|                 | 22                                      | H  |          |          |          | Т            |          |               |                | П        |  |
|                 | 21<br>22<br>23                          | Π  |          |          |          |              |          |               |                |          |  |
|                 | 24<br>25<br>26(<br>27<br>28<br>29<br>30 |  |          |          |          |              |          |               |                |          |  |
|                 | 25                                      | y  |          |          |          |              |          |               | L_             | Щ        |  |
|                 | 26(                                     | 2  |          |          |          |              |          |               |                | Щ        |  |
|                 | 27                                      | Ÿ  |          |          |          |              |          |               |                | Щ        |  |
| $\vdash$        | 28                                      | 1  | _        |          | _        | $\vdash$     |          | _             |                | Н        |  |
| $\vdash$        | 29                                      | 7  | Н        |          | _        | -            |          |               |                | Н        |  |
|                 | 31(                                     |  | -        |          | _        |              |          |               |                | Н        |  |
| $\vdash$        | 32                                      | <b>P</b> ,                                       | H        |          | H        | H            | H        | -             | Η-             | H        |  |
| $\vdash$        | 32<br>33                                | ×  | Н        | -        | ┝        | H            |          | $\vdash$      | $\vdash$       | H        |  |
| <b>—</b>        | 34                                      | ×  | Н        | Т        | Н        | Н            |          | $\vdash$      | Н              | Н        |  |
|                 | 35                                      | A  |          |          | Г        |              |          |               |                | $\sqcap$ |  |
|                 | 36                                      | V,   |          |          |          |              |          |               |                |          |  |
|                 | 37                                      | 0>>>   |          |          |          |              |          |               |                |          |  |
|                 | 38                                      | 0  |          |          |          |              |          |               |                |          |  |
| $\sqcup$        | 39                                      | V  | Ш        |          |          | Ш            |          | L             |                | Щ        |  |
|                 | 40                                      | Ŀ  | Ш        |          |          |              |          | L.            |                | Щ        |  |
| $\vdash$        | 41                                      | $\vdash$   | Щ        |          | _        | _            | _        |               | $\vdash$       | Щ        |  |
| $\vdash$        | 42                                      | -  | Н        | _        | <u> </u> | -            | -        | H             | Н              | $\dashv$ |  |
| $\vdash$        | 43<br>44                                | $\vdash$   | Н        | _        | $\vdash$ | $\vdash$     | <u> </u> | -             | $\vdash$       | Н        |  |
| $\vdash\vdash$  | 45                                      | -  | $\vdash$ |          | $\vdash$ | $\vdash$     | -        | H             | $\vdash$       | H        |  |
| $\vdash \vdash$ | 46                                      | <del>                                     </del> | $\vdash$ | _        | -        | -            | $\vdash$ |               | $\vdash$       | H        |  |
| $\vdash$        | 47                                      | $\vdash$   | Н        | _        | _        | Н            | $\vdash$ | $\vdash$      |                | $\dashv$ |  |
| $\vdash$        | 48                                      | $\Box$   | Н        |          | П        | П            |          | $\vdash$      |                | $\Box$   |  |
|                 | 49                                      | 1  | Н        |          |          |              |          |               |                | $\Box$   |  |
| П               | 50                                      |  |          |          |          |              |          |               | П              | $\Box$   |  |
|                 |   | _  | _        | _        | _        | _            | _        | _             | _              |          |  |

| Cla      | aim      |              |          |                           |          | Date   | e        |                                     |          |                                     |
|----------|----------|--------------|----------|---------------------------|----------|--|----------|-------------------------------------|----------|-------------------------------------|
|          |          |              |          |                           |          |  |          |                                     |          |                                     |
| Final    | Original |              |          |                           |          |  |          |                                     |          |                                     |
|          | 51       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 52<br>53 | ᆫ            | oxdot    | ╙                         |          | L  |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |                                     |
|          | 53       | <u> </u>     | <u> </u> | L                         | L        |  | <u> </u> |                                     | L        |                                     |
|          | 54       | L            |          |                           | L        |  | L        | _                                   |          | <u> </u>                            |
|          | 55       | $oxed{oxed}$ |          |                           |          |  |          |                                     |          | L                                   |
|          | 56       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 57       |              |          |                           |          | L  | L        |                                     |          | L                                   |
|          | 58       |              |          |                           |          |  |          |                                     | L        | L                                   |
|          | 59       |              |          |                           |          | L.   |          |                                     |          |                                     |
| L        | 60       |              |          | L                         | L        |  | _        |                                     | L.       | L                                   |
|          | 61       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 62       |              |          |                           |          |  |          |                                     |          |                                     |
| <u></u>  | 63       | <u> </u>     |          |                           | _        | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> |                                     | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |
| L        | 64       | <u> </u>     | <u> </u> | _                         | <u> </u> |  |          | <u> </u>                            |          | L_                                  |
| <u></u>  | 65       |              | <u> </u> | L                         | <u> </u> |  | L        | _                                   | <u> </u> | Щ                                   |
|          | 66       | <u> </u>     | <u> </u> | <u> </u>                  | L        | <u> </u>                                     | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> |                                     |
|          | 67       | _            | <u> </u> | ┞                         | _        | _  | <u> </u> | <u> </u>                            | L        | <u> </u>                            |
|          | 68       |              | ļ        | _                         | _        |  |          |                                     |          |                                     |
|          | 69       |              | _        | <u> </u>                  |          | _  | _        | L                                   | <u> </u> | $\vdash$                            |
|          | 70       | _            | <u> </u> | <u> </u>                  | $\vdash$ | $\vdash$                                     |          | <u> </u>                            | -        |                                     |
|          | 71       | _            | _        | $\vdash$                  | -        | -  | _        | _                                   |          | Н                                   |
| $\vdash$ | 72<br>73 |              | ├        | $\vdash$                  |          | $\vdash$                                     | _        | -                                   |          | Н                                   |
| <u> </u> | 74       |              | -        | <del> </del>              | _        |  |          |                                     | _        | H                                   |
| $\vdash$ | 74<br>75 |              | $\vdash$ | $\vdash$                  | -        | -  |          | -                                   |          | Н                                   |
|          | 76       |              |          | $\vdash$                  |          |  |          |                                     |          |                                     |
|          | 77       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 78       |              |          |                           |          |  |          |                                     |          |                                     |
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|          | 80       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 81       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 82       |              |          | L                         |          | L  |          |                                     |          |                                     |
|          | 83       |              |          | _                         |          |  |          |                                     |          |                                     |
| <u></u>  | 84       |              |          | L                         |          |  |          |                                     |          | Щ                                   |
| <u></u>  | 85       |              | _        | $ldsymbol{ldsymbol{eta}}$ | <u> </u> | <u> </u>                                     | <u> </u> | <u> </u>                            |          | Ш                                   |
| $\vdash$ | 86       |              | L        | <u> </u>                  | $\sqcup$ | $\vdash$                                     | <u> </u> |                                     |          | Щ                                   |
| $\vdash$ | 87       |              | $\vdash$ | <u> </u>                  | <u> </u> | <u> </u>                                     | <u> </u> | _                                   | $\vdash$ | <u> </u>                            |
|          | 88       | <u> </u>     | -        | <u> </u>                  |          | $\vdash$                                     | <u> </u> |                                     | Ļ.       | Н                                   |
|          | 89<br>90 | _            | -        |                           |          | $\vdash$                                     | -        |                                     |          | Н                                   |
|          | 91       | $\vdash$     | ├        | ⊢                         | H        | $\vdash$                                     | -        | -                                   | $\vdash$ | $\vdash$                            |
| $\vdash$ | 92       |              | $\vdash$ | $\vdash$                  | $\vdash$ | $\vdash$                                     |          |                                     | -        | H                                   |
|          | 93       | _            |          | Г                         |          | $\vdash$                                     | _        |                                     |          | Н                                   |
| П        | 94       | Т            | Г        | Г                         |          |  |          | Г                                   |          | Н                                   |
|          | 95       |              |          |                           | П        |  | Г        |                                     |          |                                     |
|          | 96       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 97       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 98       |              |          |                           |          |  |          |                                     |          |                                     |
|          | 99       |              | $\Box$   |                           |          |  |          |                                     |          | Ш                                   |
| $\sqcup$ | 100      | L            |          | L                         |          | L  |          | L                                   |          |                                     |

| Claim                                  |                   | Date     |              |          |          |          |              |              |                              |              |  |  |
|--|-------------------|----------|--------------|----------|----------|----------|--------------|--------------|------------------------------|--------------|--|--|
| Final                                  | Original          |          |              |          |          |          |              |              |                              |              |  |  |
|  | 101               |          |              |          |          |          |              |              |                              |              |  |  |
|  | 101<br>102        |          |              |          |          |          |              |              |                              |              |  |  |
|  | 103               | 匚        | _            | _        | _        | <u> </u> | L            | L            | <u></u>                      | $oxed{oxed}$ |  |  |
|  | 104               | _        | L_           | _        |          | <u> </u> | ┖            | <u> </u>     |                              |              |  |  |
|  | 105               | L        | L.           | _        | L.       | -        | <u> </u>     | <u> </u>     | L.                           | _            |  |  |
|  | 106               |          |              | ┝        | ┝        | <b> </b> | ├—           | <del> </del> | ├                            | ├-           |  |  |
|  | 107<br>108        | -        | $\vdash$     | ⊢        | ┢        | -        | $\vdash$     | ┝            | ┢                            | ┝            |  |  |
| <u> </u>                               | 109               | $\vdash$ | -            |          | -        | -        |              | -            | ┝                            | -            |  |  |
| <b></b>                                | 110               | -        | $\vdash$     | $\vdash$ |          | H        | $\vdash$     | $\vdash$     | $\vdash$                     |              |  |  |
|  | 111               |          |              |          |          |          | <u> </u>     |              |                              |              |  |  |
|  | 112               |          |              |          |          |          |              |              |                              |              |  |  |
|  | 112<br>113        |          |              |          |          |          |              |              |                              |              |  |  |
|  | 114               | $\Box$   |              | $\Box$   |          |          | L            |              | L                            |              |  |  |
|  | 115               |          | <u> </u>     | $\vdash$ | <u> </u> | _        | <u> </u>     | <u> </u>     | <u> </u>                     | Щ            |  |  |
|  | 116               | <u> </u> | -            | -        | <u> </u> | -        | ├            | ⊢            | ├-                           | $\vdash$     |  |  |
| Ь                                      | 117               | _        | -            | -        | -        |          |              | -            | -                            | -            |  |  |
|  | 118<br>119        | -        | $\vdash$     |          | -        |          | <u> </u>     | ⊢            | $\vdash$                     |              |  |  |
|  | 120               | -        | ┢            | $\vdash$ | $\vdash$ | _        | ┢            | $\vdash$     |                              | H            |  |  |
|  | 121               | -        | $\vdash$     |          |          |          |              |              |                              |              |  |  |
|  | 121<br>122        | _        | I            |          |          | -        |              |              |                              |              |  |  |
|  | 123<br>124        |          |              |          |          |          |              |              |                              |              |  |  |
|  | 124               |          |              | $\Box$   |          |          |              |              |                              |              |  |  |
|  | 125               |          |              | L        |          |          |              | <u> </u>     |                              |              |  |  |
|  | 126<br>127<br>128 |          | <u> </u>     | _        |          |          |              |              |                              |              |  |  |
|  | 127               |          | ├            | ├-       | H        | _        | $\vdash$     | H            | _                            | Ш            |  |  |
| $\vdash$                               | 120               |          | <del> </del> | $\vdash$ |          |          | -            |              |                              | Н            |  |  |
|  | 129<br>130        |          | ┝            | $\vdash$ |          |          | <del> </del> |              |                              | Н            |  |  |
|  | 131               |          | ┢═           | -        |          |          | $\vdash$     | -            | -                            | Н            |  |  |
|  | 132               |          | <u> </u>     |          |          |          | $\vdash$     |              |                              | П            |  |  |
|  | 133               |          |              |          |          |          |              |              |                              |              |  |  |
|  | 134               |          |              |          |          |          |              |              |                              |              |  |  |
|  | 135               |          | <u></u>      |          |          |          |              | L            |                              |              |  |  |
| L                                      | 136               |          | _            | $\vdash$ |          |          | _            | oxdot        | L                            | Щ            |  |  |
|  | 137               | _        | $\vdash$     | H        |          | _        | _            | $\vdash$     | H                            | Н            |  |  |
|  | 138<br>139        |          | -            | H        | _        |          | <u> </u>     | $\vdash$     | ļ                            | Н            |  |  |
|  | 4 4 6             | Η,       | -            | H        | _        | -        | H            | $\vdash$     | $\vdash$                     | Н            |  |  |
| $\vdash \vdash$                        | 141               | $\vdash$ | $\vdash$     | $\vdash$ | -        | _        | $\vdash$     | $\vdash$     | $\vdash$                     | Н            |  |  |
|  | 142               |          | $\vdash$     | $\vdash$ |          |          | -            | $\vdash$     | $\vdash$                     | Н            |  |  |
|  | 143               |          |              |          |          |          |              |              |                              |              |  |  |
|  | 144               |          |              |          |          |          |              |              |                              |              |  |  |
|  | 145               |          |              |          |          |          |              |              |                              |              |  |  |
|  | 146               |          | L            | oxdot    |          |          | L            | L_           | L                            | Ш            |  |  |
|  | 147               |          | _            | <u> </u> | · -      | _        | L            | $\vdash$     | $ldsymbol{ldsymbol{\sqcup}}$ | Ш            |  |  |
|  | 148               |          |              | <u> </u> |          |          | _            | -            | $\vdash$                     | ш            |  |  |
| -                                      | 149<br>150        | $\vdash$ | <u> </u>     | <u> </u> | _        | _        | <u> </u>     | $\vdash$     | $\vdash$                     | Н            |  |  |
| $ldsymbol{ldsymbol{ldsymbol{\sqcup}}}$ | 150               | L        | L            | <u>L</u> |          | L        | L            |              | L                            | ш            |  |  |